New Product

3300/36 Dual-channel Temperature Monitor

Solving special temperature monitoring problems

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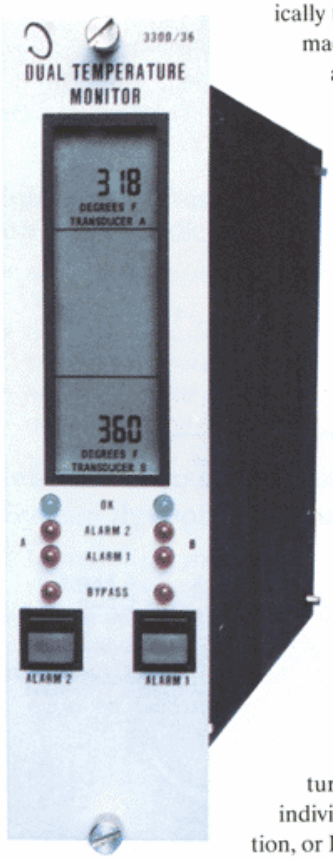

Temperature information is commonly used as a primary indication of fault conditions in rotating machinery. In many applications where continuous monitors are used, there is a need for individual relay outputs per channel. These relay outputs are typically used to determine which specific channel, (or machine if split among different machines), is in alarm and what type of alarm it is. This use of temperature monitors is typically associated with large critical machines, such as:

- Steam Turbine Motors and Generators
- Critical Process Pumps
- Turboexpanders
- Turbocompressors
- Blowers

Other applications may involve end-user specifications, which require redundant Distributed Control System (DCS) information paths for the monitoring system. In this case, both serial data communication and direct relay connections to the DCS are used to obtain temperature information.

The **3300/36 Dual-channel Temperature Monitor** provides a solution to these problems. It has a standard ordering option for either dual or quad relays. This temperature monitor is ideal when an application requires individual channel relays for voting logic, annunciation, or DCS information.

The 3300/36:

- Provides a convenient solution when individual relays, (one or two per channel), are required.
- Provides a cost-effective solution when only one or two channels of temperature measurements are required.
- Conserves rack space when a limited number of channels of temperature monitoring are required.
- Removes the need for separate vibration and temperature monitoring systems (single source for both).
- Provides a convenient method of upgrading existing 7200 Temperature Monitors to the 3300 System.
- Supports extended temperature ranges (up to 1000°C/2000°F).

This monitor can be ordered as either a two-channel thermocouple or a two-channel RTD monitor. J, K, T and E type thermocouples are supported, as are 2—, 3—, and 4—wire platinum, nickel, and copper RTDs. It provides a convenient solution for adding temperature monitoring to an existing monitor rack. Since the monitor occupies a single space in the rack, it can be easily inserted into a spare position.

The 3300 Six-channel Temperature Monitor will continue to be the preferred temperature monitor when individual channel relays are not required and when rack space permits.

The 3300/36 provides a convenient way to program monitor options. Most on-board, plug-in jumpers have been replaced with a firmware-programmable feature. Monitor calibration is made easy and more convenient by using firmware instead of potentiometers. A special jumper option is available which allows the BYPASS LED on the monitor front panel to be turned off when one channel of the monitor is disabled. This option is included for users who prefer to have no red lights on their monitors, unless a true alarm condition exists. Bently Nevada can help solve your temperature monitoring requirements. Contact your nearest Bently Nevada sales representative for more information on the 3300/36 Dual-channel Temperature Monitor. ■